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N.C.D.O.T. GEOTECHNICAL UNIT BORING LOG

ID. R-2610B(2) PROJECT NO. 6.529005T COUNTY Chatham GEOLOGIST C. Baldwin SITE DESCRIPTION Bridge on SBL US 421 (-L-) over Tick Creek GROUND WATER (m) BORING LOCATION 96+92.2 BORING NO. B1-B OFFSET 4.6m Lt. ALIGNMENT -L-0 HR. N/A* COLLAR ELEV. 137.31 m NORTHING 211,979.0 **EASTING** 573,296.5 24 HR. 0.61 TOTAL DEPTH 9.32 m DRILL MACHINE CME 550 DRILL METHOD 5.7cm ID HSA/NQ3 Core HAMMER TYPE Automatic DATE STARTED 4/22/03 COMPLETED 4/22/03 SURFACE WATER DEPTH N/A ELEV. DEPTH **BLOW COUNT** BLOWS PER 30 CM SAMP. SOIL AND ROCK DESCRIPTION 15cm | 15cm | 15cm NO. (m) (m) 137.31m Ground Surface -ALLUVIAL-136.81m Brown, silty CLAY (A-6(15)), with little fine sand 0.50m SS-16 24.19 0.00 2 & trace coarse sand. 6 -RESIDUAL-Reddish-brown, silty CLAY (A-6), with trace fine sand. - 134,87m 5 100/11cm 134.55m -WEATHERED ROCK-Blueish-gray, severely weathered, moderately hard METAMUDSTONE & META-ARGILLITE. 134 + 3.46 50/2cm 50/2cm -NON-CRYSTALLINE ROCK-Blueish-gray, slightly weathered, hard METAMUDSTONE & META-ARGILLITE. 132 130 -RS-4 127.99m 128 -Coring terminated at elev. 127.99m in NON-CRYSTALLINE ROCK (METAMUDSTONE & META-ARGILLITE). 1) Began coring at a depth of 2.55m. * 0 hr. water level not measured due to water introduced for coring.

SHEET 14 OF 23

							CORE BORING REPORT	Sheet 1 DATE: <u>04/22/2003</u>	
PROJECT	٠.	6.529005T			ID NO	R-2610 B		GEOLOGIST: Chris Baldwin	
		6.529005T I.D. NO.: R-2610 B (2) BORING NO.: B1-B Bridge on SBL US 421 (-L-) over Tick Creek						OLOLOGIST. Chilis Baidwin	
DESCRIP	TION:	Bridge on SB	L US 421	l (-L-) over	Tick Creek	· · · · · · · · · · · · · · · · · · ·		SENIOR DRILLER: J.W. Gilchrist, Jr.	
COUNTY	·	Chatham		************		COLLAR	ELEVATION: 137.31m TOTAL DEPTH: 9.32m	DRILLING ASSISTANT: M.W. Renza	
		Drill	Run	REC	RQD				
Elev. (m)	Depth (m)	Rate min./0.3m	Length (m)	(m) %	(m) %	Sample #	FIELD CLASSIFICATION AND REMARKS		
134.76	2.55	5:47/0.31m	0.91	0.77/0.91	0.00/0.91	#	WR - 2.55-2.76m Blueish gray, severly weathered, moderately hard Metamudstone and	134.76m (2.55) I Meta-Argillite	
į		5:25		85%	0%		Very close to close fracture spacing. 1 joint at 0° STRATA BREAK STRATA REC.=38% STRATA RQD.=N/A	134.55m (2.70	
		5:24							
133.85	3.46	3.24							
133.83	3.48	5:44/0.32m	1.52	1.46/1.52	0.43/1.52		SPT taken from 3.46-3.48m (N Value=50/2cm) Metamudstone and Meta-Argillit		
		5:39		96%	28%		NCR - 2.76.9 32m Rhuish gray slightly weathered hard Metamydetane and Meta Are	illita	
		5:30		30,0	2070		Close to wide fracture spacing.	inte	
		5:40							
		5;42				RS-3	RS-3 4.66-4.76m, qu = 11,789 kPa		
132.31	5.00						STRATA REC.=98%		
132.31	5.00	5:49/0.32m	1.52	1.52/1.52	1.52/1.52		STRATA RQD.=70%		
		5:42		100%	100%				
		5:47							
		5:50					3 joints at 0° 1 joint at 10°		
		5:46					6 joints at 40° 4 joints at 50°		
130.79	6.52	3:40					7 joints at 60°		
130.79	6.52	5:49/0.32m	1.52	1.52/1.52	1.52/1.52		2 joints at 90°		
		5;43		100%	100%				
		5:47							
		5:49					·		
		5:48							
129.27 129.27	8.04 8.04	1.08/0.08m	1.28	1.10/1.00	1.00/1.00				
147.41	6.04	1.08/0.0811	1.28		1.09/1.28				
		5:43		93%	85%				
		5:40							
		5:47				RS-4	RS-4 8.78-8.88m, qu = 30,225 kPa		
		5:41							
127.99	9.32	L	<u> </u>	<u> </u>	İ				
							NOTES:	.76m, qu = 11,789 kPa STRATA REC.=98% STRATA RQD.=70% STRATA RQD.=70% 88m, qu = 30,225 kPa 127.99m (9.32m)	
DRILLING EQUIPMENT: CME - 550 ATV with automatic hammer. HOLE ADVANCEMENT: 1. HSA from 0.00 - 2.55 meters using 8.26cm hollow stem augers.								veable.	